

# Work Order ID 115396

Friday, March 28, 2014 1:36:32 PM

\*115396\*

Page 1

Item ID: D212-761-213

Accept

\*N900040100\*

Setup Start \*NS1\*

Revision ID:

Item Name: Wiring Harness

Stop \*NS2\*

Start Date: 3/28/2014 Start Qty: 1.00

\*1\*

Cust Item ID:

Required Date: 3/28/2014 Req'd Qty: 1.00

\*1\*

Customer:

Reference:

Approvals: Process Plan: MF Date: 4-3-20 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start \*NR1\*

Stop \*NR2\*

| Sequence ID/<br>Work Center ID | Operation<br>Description | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

| Draw Nbr | Revision Nbr |
|----------|--------------|
|----------|--------------|

|              |   |
|--------------|---|
| D212-761-213 | B |
|--------------|---|

100

0.00

\*100\*

0.00

Outsource8

Memo

Outsource process- Eagle

ISSUE P.O TO EAGLE 23012  
MAKE PER DWG  
Certificate of Conformity is required

CX 1-104/101 ①

110

Receive & Inspect for Damage & Mat'l Certs

0.00

\*110\*

0.00

Packaging

Memo

Packaging

RECEIVE AND INSPECT FOR TRANSIT DAMAGE  
ENSURE C OF C ATTACHED

1-14/5/01 ①

120

QC6- Inspect dimensions to drawing

0.00

\*120\*

0.00

QC

Memo

Quality Control

SMP  
14/5/11

1

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|  |  |  |                                      |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
|--|--|--|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--|----------------------------------|--|------------------------------------|--|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>   | Water Jet <input type="checkbox"/>   | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>   | Prod. Eng. Coord. <input type="checkbox"/>   | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>   | Rec/Store/Packaging <input type="checkbox"/>   | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>   | Supplier <input type="checkbox"/>  |                                      |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Design        |      |      |     |   |                   |                    |             |              |              |
| Doc/Data      |      |      |     |   |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |   |                   |                    |             |              |              |
| Handling/Pre  |      |      |     |   |                   |                    |             |              |              |
| Material      |      |      |     |   |                   |                    |             |              |              |
| Operator      |      |      |     |   |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |   |                   |                    |             |              |              |
| Process       |      |      |     |   |                   |                    |             |              |              |
| Supplier      |      |      |     |   |                   |                    |             |              |              |
| Training      |      |      |     |   |                   |                    |             |              |              |
| Transport     |      |      |     |   |                   |                    |             |              |              |
| Unapproved    |      |      |     |   |                   |                    |             |              |              |

### FAULT CATEGORY

|  |  |   |  |
|--|--|---|--|
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete/Unqualified<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Off-set<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Outside Dimensions<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><br><input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Set-up<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><input type="checkbox"/> Other |
|--|--|---|--|

Friday, March 28, 2014 1:36:32 PM

Page 2

Stop **\*NR2\***

Ship.

1

MLJ 14-05-01

mf  
14-5-01

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|  |  |  |                                      |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
|--|--|--|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--|----------------------------------|--|------------------------------------|--|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>   | Water Jet <input type="checkbox"/>   | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>   | Prod. Eng. Coord. <input type="checkbox"/>   | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>   | Rec/Store/Packaging <input type="checkbox"/>   | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>   | Supplier <input type="checkbox"/>  |                                      |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
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| Handling/Pre  |      |      |     |   |                   |                    |             |              |              |
| Material      |      |      |     |   |                   |                    |             |              |              |
| Operator      |      |      |     |   |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |   |                   |                    |             |              |              |
| Process       |      |      |     |   |                   |                    |             |              |              |
| Supplier      |      |      |     |   |                   |                    |             |              |              |
| Training      |      |      |     |   |                   |                    |             |              |              |
| Transport     |      |      |     |   |                   |                    |             |              |              |
| Unapproved    |      |      |     |   |                   |                    |             |              |              |

### FAULT CATEGORY

|  |  |   |
|--|--|---|
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|--|--|---|

# Picklist Print

Friday, March 28, 2014 1:36:31 PM

Page 1

Work Order ID: 115396

**\*115396\***

Parent Item: D212-761-213

**\*D212-761-213\***

Parent Item Name: Wiring Harness

Start Date: 3/28/2014

Required Date: 3/28/2014

Start Qty: 1.00

Required Qty: 1.00

Comments: New Issue 10/12/07 LL verf:DD

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|

D212-761-213P

Purchased

No

110

Each

0.0000

1

1

**\*D212-761-213P\***

Wiring Harness

**\*\***

*P-14/10/1 (1)*

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|  |  |   |                                      |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
|--|--|---|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--|----------------------------------|--|------------------------------------|--|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/>   | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> |  |
| Skid-tube <input type="checkbox"/>                           | Crosstube <input type="checkbox"/>   | Water Jet <input type="checkbox"/>  | Engineering <input type="checkbox"/> |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Machining <input type="checkbox"/>                           | Small Fab <input type="checkbox"/>   | Prod. Eng. Coord. <input type="checkbox"/>  | Quality <input type="checkbox"/>     |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Thermoforming <input type="checkbox"/>                       | Finishing <input type="checkbox"/>   | Rec/Store/Packaging <input type="checkbox"/>  | Other <input type="checkbox"/>       |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |
| Large Fab <input type="checkbox"/>                           | Composite <input type="checkbox"/>   | Supplier <input type="checkbox"/>   |                                      |                                    |                                    |                                      |                                    |                                    |  |                                  |  |                                    |  |                                |                                    |                                    |                                   |  |

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
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| Doc/Data      |      |      |     |   |                   |                    |             |              |              |
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| Handling/Pre  |      |      |     |   |                   |                    |             |              |              |
| Material      |      |      |     |   |                   |                    |             |              |              |
| Operator      |      |      |     |   |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |   |                   |                    |             |              |              |
| Process       |      |      |     |   |                   |                    |             |              |              |
| Supplier      |      |      |     |   |                   |                    |             |              |              |
| Training      |      |      |     |   |                   |                    |             |              |              |
| Transport     |      |      |     |   |                   |                    |             |              |              |
| Unapproved    |      |      |     |   |                   |                    |             |              |              |

### FAULT CATEGORY

|  |  |   |   |
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|--|--|---|---|



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO23569**

Purchase Order Date 4/1/2014

PO Print Date 4/2/2014

Page Number 1 of 2

**Order From :**

VU-EAG002

EAGLE COPTERS MAINTENANCE LTD.  
823 MCTAVISH ROAD N E  
CALGARY, AB T2E 7G9  
CA

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

*REVISED \$*

**Contact Name**

**Vendor Phone** 403-250-7370

**Ship To Contact**

**Ship To Phone**

**Ship Via:** FedEx PI collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

Destination-Collect

| Line Nbr           | Reference<br>Vendor-Part Number<br>Line Comments<br>Delivery Comments  | Description/<br>Mfg-ID         | Req Date/<br>Taxable<br>Promise Date | CD | Req Qty/<br>Unit of<br>Measure | PO Unit Price | Extended<br>Price |
|--------------------|--|--------------------------------|--------------------------------------|----|--------------------------------|---------------|-------------------|
| 1                  | D212-761-213P<br><br>AS PER DWG D212-761-213<br>B115396<br><br>AIRCRAFT MODEL: BELL 212 SERIAL # 30900   | Wiring Harness                 | 4/25/2014<br>Yes<br>4/25/2014        |    | 1.00<br>Each                   | \$4,455.00    | \$4,455.00        |
| <b>Line Total:</b> |  |                                |                                      |    |                                |               | <b>\$4,455.00</b> |
| 2                  | 71401-45<br><br>Procurement Quality Clauses<br>A005 right of entry<br>A016 personnel qualification<br>A018 electrical equipment<br>A019 electrical cables (wires)<br>A026 certification of material conformance<br>A040 notification of quality escape | PROCUREMENT<br>QUALITY CLAUSES | 4/25/2014<br>No<br>4/25/2014         |    | 1.00                           | \$0.00        | \$0.00            |

**Note:**

4/2/2014

# Eagle Copters Maintenance Ltd

823 McTavish Rd, NE  
Calgary, Alberta T2E 7G9  
Canada

## Packing Slip

April 30, 2014

Telephone: (403) 250-7370

Fax: (403) 250-7110

Shipment number: SH#14-001332

Customer PO number: 23569

Ship To: Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Canada

Phone: (613)632-5200

Ship Via: FED EX

Carrier Terms:

Waybill: 798713989224

Customer PO number: 23569

| Item | Part Number  | Part Description | Current Location         | Qty | UOM | Serial Number | Lot Number |
|------|--------------|------------------|--------------------------|-----|-----|---------------|------------|
| 1    | D212-761-213 | Wiring Harness   | Eagle Avionic<br>Systems | 1   |     | N/A           |            |

Work Order Number: 51174.1

Eagle PO Number:

All Parts being sent on this packing slip have the original certification on file at Eagle Copters Ltd.

\* End of Report \*

>> denotes that the Packing Slip line item has already been printed.





Work Order Number: 51174 Assembly Full VRD Harness

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.*

Item: 1 Wiring Harness

**Squawk: 1.1****Discrepancy:**

Assemble Full VRD  
 Harness P/N D212-761-213  
 Ref. DWG D212-761-213  
 and IAW STC SH09-4 Issue  
 2

**Resolution:**

Assembled Full VRD  
 Harness P/N D212-761-213  
 Ref. DWG D212-761-213  
 and IAW STC SH09-4 Issue  
 2

1.1 Work Done By: Eric Olberg

*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.*  
**AMO 6-81** Signature: Graeme Rowe on 4/30/2014

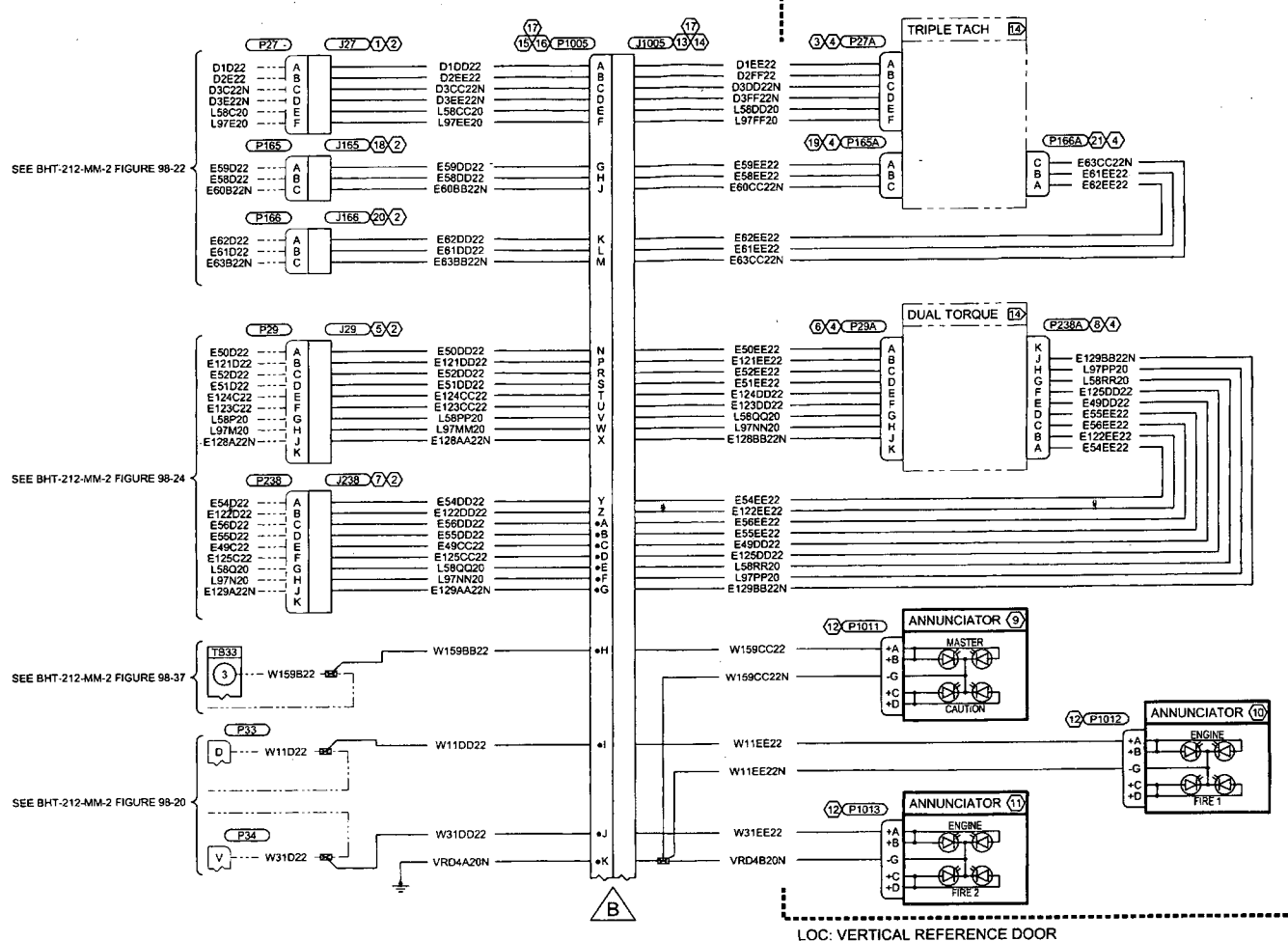
**Parts:**

| Part Number        | Description                         | Serial Number | Lot Number   | Condition | Qty |
|--------------------|-------------------------------------|---------------|--------------|-----------|-----|
| M22759/41-20-9     | WIRE                                |               | LT-14-004968 | New       | 94  |
| M22759/41-22-9     | WIRE                                |               | LT-14-000347 | New       | 380 |
| MS3476W20-41S      | CONNECTOR                           |               | LT-14-005576 | New       | 1   |
| MS3121F8-33PW      | CONNECTOR                           |               | LT-14-005584 | New       | 1   |
| MS3121F8-33PW      | CONNECTOR                           |               | LT-14-006563 | New       | 1   |
| MS3121F12-10PW     | CONNECTOR                           |               | LT-14-005586 | New       | 1   |
| MS3121F10-6P       | CONNECTOR                           |               | LT-14-005588 | New       | 1   |
| MS3121F8-33P       | CONNECTOR                           |               | LT-14-005585 | New       | 1   |
| MS3474W20-41P      | CONNECTOR                           |               | LT-14-005577 | New       | 1   |
| MS3126E8-33S       | CONNECTOR                           |               | LT-14-005578 | New       | 1   |
| MS3126E12-10SW     | CONNECTOR                           |               | LT-14-005580 | New       | 1   |
| MS3126E12-10S      | CONNECTOR                           |               | LT-14-005582 | New       | 1   |
| MS3121F12-10P      | CONNECTOR                           |               | LT-14-005587 | New       | 1   |
| MS3126E8-33SW      | CONNECTOR                           |               | LT-14-005590 | New       | 1   |
| M85049/52S-20W     | BACKSHELL                           |               | LT-14-005589 | New       | 2   |
| MS3126E10-6S       | CONNECTOR                           |               | LT-14-006382 | New       | 1   |
| XPF-3/4            | EXPANDABLE SLEEVE                   |               | LT-12-009422 | New       | 13  |
| LED-40-17-HK-E05HN | LED ARI ENGINE, FIRE 2              |               | LT-14-006155 | New       | 1   |
| 18-219             | CRIMPO SOCKET PIN                   |               | LT-14-006158 | New       | 25  |
| 18-258             | PANEL PLUG BLACK                    |               | LT-14-006156 | New       | 1   |
| LED-40-17-HK-E05HM | LED ARI ENGINE, FIRE 1              |               | LT-14-006154 | New       | 1   |
| LED-40-17-HK-35402 | INDICATOR ASSEMBLY - MASTER CAUTION |               | LT-14-006153 | New       | 1   |
| 18-200             | 18-200QUICK CONNECT PLUG            |               | LT-14-006157 | New       | 3   |
| XPF-1/8            | EXPANDABLE SLEEVING                 |               | LT-13-005897 | New       | 3   |

\* End of Report \*

\*\*\*\*\* Original Maintenance Releases and Independent Control Inspection details are stored electronically at \*\*\*\*\*

\*\*\*\*\* Eagle Copters Maintenance Ltd. in Calgary Alberta in the Corridor Software \*\*\*\*\*



ELECTRICAL WIRING DIAGRAM  
BELL MODEL 212 (S/N: 30597 AND SUB)  
PART NUMBER: D212-761-213

|  |          |  |              |
|--|----------|--|--------------|
| DESIGN   | KB       | <b>DART AEROSPACE LTD</b>              |              |
| DRAWN  | KB       | HAWKESBURY, ONTARIO, CANADA            |              |
| CHECKED  | KB       | DRAWING NO.                            | REV. B       |
| MFG. APPR.   | GR       | D212-761-213                           | SHEET 2 OF 2 |
| APPROVED   | KB       | TITLE                                  | SCALE        |
| DE APPR.   | KB       | VRD - REQUIRED WIRING                  | NTS          |
| DATE   | 12.03.21 | COPYRIGHT © 2008 BY DART AEROSPACE LTD |              |
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| LIST OF MATERIALS |         |                    |                               |                |
|-------------------|---------|--------------------|-------------------------------|----------------|
| ITEM              | QTY     | PART NUMBER        | DESCRIPTION                   | SUPPLIER       |
| 1                 | 1       | MS3121F10-6P       | CONNECTOR, RECEPTACLE (J27)   |                |
| 2                 | AR (30) | M39029/31-240      | CONTACTS, PINS                |                |
| 3                 | 1       | MS3126E10-6P       | CONNECTOR, PLUG (P27A)        |                |
| 4                 | AR (30) | M39029/32-259      | CONTACTS, SOCKET              |                |
| 5                 | 1       | MS3121F12-10P      | CONNECTOR, RECEPTACLE (J29)   |                |
| 6                 | 1       | MS3126E12-10S      | CONNECTOR, PLUG (P29A)        |                |
| 7                 | 1       | MS3121F12-10PW     | CONNECTOR, RECEPTACLE (J238)  |                |
| 8                 | 1       | MS3126E12-10SW     | CONNECTOR, PLUG (P238A)       |                |
| 9                 | 1       | LED-40-17-HK-35402 | ANNUNCIATOR (MASTER CAUTION)  | VIVISUN        |
| 10                | 1       | LED-40-17-HK-E05HM | ANNUNCIATOR (ENGINE FIRE 1)   | VIVISUN        |
| 11                | 1       | LED-40-17-HK-E05HN | ANNUNCIATOR (ENGINE FIRE 2)   | VIVISUN        |
| 12                | 3       | 18-200             | QUIK-CONNECTOR, PLUG          | VIVISUN        |
| 13                | 1       | MS3474W20-41P      | CONNECTOR, RECEPTACLE (J1005) |                |
| 14                | AR (35) | M39029/4-110       | CONTACTS, PINS                |                |
| 15                | 1       | MS3476W20-41S      | CONNECTOR, PLUG (P1005)       |                |
| 16                | AR (35) | M39029/5-115       | CONTACTS, SOCKETS             |                |
| 17                | 2       | M85049/52S-20W     | BACKSHELL                     |                |
| 18                | AR      | MS3121F8-33P       | CONNECTOR, RECEPTACLE (J165)  |                |
| 19                | AR      | MS3126E8-33S       | CONNECTOR, PLUG (J165A)       |                |
| 20                | AR      | MS3121F8-33PW      | CONNECTOR, RECEPTACLE (J166)  |                |
| 21                | AR      | MS3126E8-33SW      | CONNECTOR, PLUG (J166A)       |                |
| 22                | 1       | D3705-11           | INSTRUMENT FACE PLATE         | DART AEROSPACE |
| 23                | 1       | 18-258             | PANEL PLUG, BLACK             | VIVISUN        |

NEW WIRE / UNIT  
EXISTING WIRE / UNIT

#### NOTES:

- ALL NEW UNSHIELDED WIRE USE M22759/41-xx-9 TYPE WIRE UNLESS OTHERWISE SPECIFIED.
- ALL NEW TWISTED SHIELDED CABLE USE M27500-xxSMxT23 TYPE CABLE UNLESS OTHERWISE SPECIFIED.
- ALL WIRES 22 AWG UNLESS OTHERWISE SPECIFIED.
- IDENTIFY CODE ALL WIRES AND CABLES IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 3.
- KEEP ALL JUMPERS, SHIELD GND'S AND LOGIC STRAP WIRES AS SHORT AS POSSIBLE.
- KEEP ALL POWER AND CHASSIS GROUND WIRES AS SHORT AS POSSIBLE.
- ALL SPLICES MUST CONFORM TO MIL-S-81824, OR EQUIVALENT AND BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 4.
- ALL TERMINALS TO BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 4.
- ALL ELECTRICAL GROUNDING AND BONDING TO BE CARRIED OUT PER BHT-ELEC-SPM CHAPTER 8.
- PROVIDE SEPARATE GROUND STUD LOCATIONS FOR DC POWER GROUNDS, AC POWER GROUNDS, CHASSIS GROUNDS, SIGNAL GROUNDS AND SHIELD GROUNDS.
- ALL CONNECTORS TO BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 5.
- ENSURE ALL UNUSED CONNECTOR CONTACTS ARE FILLED WITH SPARE PINS/sockets OR PLASTIC GROMMET SEALING PLUGS.
- ROUTE ALL WIRES AND CABLES WITH EXISTING WIRE AND CABLE RUNS IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 6.
- REMOVE INDICATOR FROM CO-PILOTS INSTRUMENT PANEL AND INSTALL IN VERTICAL REFERENCE DOOR.
- A DOT (•) BEFORE A CONNECTOR CONTACT LETTER DENOTES LOWER CASE.

|            |                                     |  |              |
|------------|-------------------------------------|--|--------------|
| B          | CHANGED PIN DESIGNATIONS AT P/J1005 | DJR  | 12.03.21     |
| A          | NEW ISSUE                           | KB   | 08.11.06     |
| REV.       | DESCRIPTION                         | BY   | DATE         |
| DESIGN     | KB                                  | <b>DART AEROSPACE LTD</b>  |              |
| DRAWN      | MB                                  | HAWKESBURY, ONTARIO, CANADA  |              |
| CHECKED    | KB                                  | DRAWING NO.  | REV. B       |
| MFG. APPR. | GR                                  | D212-761-213   | SHEET 1 OF 2 |
| APPROVED   | MB                                  | TITLE  | SCALE        |
| DE APPR.   | MB                                  | VRD - REQUIRED WIRING  | NTS          |
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